

Appendix F. Record Layouts: American Indian, Alaska Native, Native Hawaiian

Appendix F-1. Record Layout: ANRC Shapefile

Alaska Native Regional Corporation (ANRC) Shapefile Record Layout

File Name: tl_YYYY_02_anrc.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
ANRCFP	5	String	Current Alaska Native Regional Corporation FIPS code
ANRCNS	8	String	ANSI feature code for Alaska Native Regional Corporation
GEOID	7	String	Alaska Native Regional Corporation identifier; a concatenation of Current state FIPS code and Alaska Native Regional Corporation code
NAME	100	String	Current Alaska Native Regional Corporation name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for Alaska Native Regional Corporation
LSAD	2	String	Current legal/statistical area description code for Alaska Native Regional Corporation
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER Feature Class Code (G2200)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 78: Appendix F-1: ANRC Shapefile Record Layout

Appendix F-2. Record Layout: AIANNH Shapefile

American Indian, Alaska Native, Native Hawaiian (AIANNH) Area National Shapefile Record Layout

File Name: tl_YYYY_us_aiannh.shp

Field	Length	Type	Description
AIANNHCE	4	String	Current American Indian/Alaska Native/Native Hawaiian area census code
AIANNHNS	8	String	An eight-character ANSI numeric identifier for American Indian/Alaska Native/Native Hawaiian Areas
GEOID	5	String	American Indian/Alaska Native/Native Hawaiian area identifier; a concatenation of Current American Indian/Alaska Native/Native Hawaiian area census code and reservation/statistical area or off-reservation trust land Hawaiian home land indicator
NAME	100	String	Current American Indian/Alaska Native/Native Hawaiian area name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for American Indian/Alaska Native/Native Hawaiian area
LSAD	2	String	Current legal/statistical area description code for American Indian/Alaska Native/Native Hawaiian area
CLASSFP	2	String	Current FIPS class code
COMPTYP	1	String	Current American Indian/Alaska Native/Native Hawaiian area reservation/statistical area or off-reservation trust land Hawaiian home land indicator
AIANNHR	1	String	Current American Indian/Alaska Native/Native Hawaiian area federal/state recognition flag
MTFCC	5	String	MAF/TIGER Feature Class Code
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 79: Appendix F-2: AIANNH Shapefile Record Layout

Appendix F-3. Record Layout: AITS Shapefile

American Indian Tribal Subdivision (AITS) National Shapefile Record Layout

File Name: tl_YYYY_us_aitsn.shp

Field	Length	Type	Description
AIANNHCE	4	String	Current American Indian, Alaska Native, Native Hawaiian area census code
TRSUBCE	3	String	Current American Indian Tribal Subdivision census code
TRSUBNS	8	String	ANSI feature code for American Indian Tribal Subdivision
GEOID	7	String	American Indian Tribal Subdivision identifier; a concatenation of Current American Indian/Alaska Native/Native Hawaiian area census code and American Indian tribal subdivision census code
NAME	100	String	Current American Indian Tribal Subdivision name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for American Indian tribal subdivision
LSAD	2	String	Current legal/statistical area description code for American Indian Tribal Subdivision
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER Feature Class Code (G2300)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 80: Appendix F-3: AITS Shapefile Record Layout

Appendix F-4. Record Layout: Tribal Census Tract Shapefile

Tribal Census Tract National Shapefile (Current)

File Name: tl_YYYY_us_ttract.shp

Field	Length	Type	Description
AIANNHCE	4	String	Current American Indian/Alaska Native/Native Hawaiian area census code
TTRACTCE	6	String	Current tribal census tract code
GEOID	10	String	Tribal census tract identifier; a concatenation of the American Indian Area census code and tribal census tract code
NAME	7	String	Current tribal census tract name, including the decimal point and decimal digits if a non-zero census tract suffix exists
NAMELSAD	27	String	Current translated legal/statistical area description and the tribal census tract name
MTFCC	5	String	MAF/TIGER Feature Class Code (G2400)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 81: Appendix F-4: Tribal Census Tract Shapefile Record Layout

Appendix F-5. Record Layout: Tribal Block Group Shapefile

Tribal Block Group National Shapefile (Current)

File Name: tl_YYYY_us_tbgr.shp

Field	Length	Type	Description
AIANNHCE	4	String	Current Census American Indian/Alaska Native/Native Hawaiian area census code
TTRACTCE	6	String	Current tribal census tract code
TBLKGPCE	1	String	Current tribal block group letter

Field	Length	Type	Description
GEOID	11	String	Tribal block group identifier; a concatenation of the Current American Indian/Alaska Native/Native Hawaiian area census code, tribal census tract code, and tribal block group letter
NAMELSAD	20	String	Current translated legal/statistical area description and the tribal block group letter
MTFCC	5	String	MAF/TIGER Feature Class Code (G2410)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 82: Appendix F-5: Tribal Block Group Shapefile Record Layout

Appendix G. Record Layouts: Block and Census Tract

Appendix G-1. Record Layout: Block State-based Shapefile

Block State-based Shapefile Record Layout (2020 Geography)

File Name: tl_YYYY_<state FIPS>_tabblock20.shp

Field	Length	Type	Description
STATEFP20	2	String	2020 Census state FIPS code
COUNTYFP20	3	String	2020 Census county FIPS code
TRACTCE20	6	String	2020 Census tract code
BLOCKCE20	4	String	2020 Census tabulation block number
GEOID20	15	String	Census block identifier; a concatenation of 2020 Census state FIPS code, 2020 Census county FIPS code, 2020 Census tract code, and 2020 Census block number
NAME20	10	String	2020 Census tabulation block name; a concatenation of 'Block' and the tabulation block number
MTFCC20	5	String	MAF/TIGER Feature Class Code (G5040)
UR20	1	String	Reserved for 2020 Census urban/rural indicator (2020 Urban Areas are not yet defined)
UACE20	5	String	Reserved for 2020 Census urban area code (2020 Urban Areas are not yet defined)
UATYPE20	1	String	Reserved for 2020 Census urban area type (2020 Urban Areas are not yet defined)
FUNCSTAT20	1	String	2020 Census functional status
ALAND20	14	Number	2020 Census land area
AWATER20	14	Number	2020 Census water area
INTPTLAT20	11	String	2020 Census latitude of the internal point
INTPTLON20	12	String	2020 Census longitude of the internal point

Figure 83: Appendix G-1: Block State-based Shapefile Record Layout

Appendix G-2. Record Layout: Block Group State-based Shapefile

Block Group State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<state FIPS>_bg.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
TRACTCE	6	String	Current census tract code
BLKGRPCE	1	String	Current block group number
GEOID	12	String	Census block group identifier; a concatenation of the current state FIPS code, county FIPS code, census tract code, and block group number.
NAMELSAD	13	String	Current translated legal/statistical area description and the block group number
MTFCC	5	String	MAF/TIGER Feature Class Code (G5030)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 84: Appendix G-2: Block Group State-based Shapefile Record Layout

Appendix G-3. Record Layout: Census Tract State-based Shapefile

Census Tract State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<state FIPS>_tract.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
TRACTCE	6	String	Current census tract code
GEOID	11	String	Census tract identifier; a concatenation of Current state FIPS code, county FIPS code, and census tract code

Field	Length	Type	Description
NAME	7	String	Current census tract name, this is the census tract code converted to an integer or integer with 2-decimals if the last two characters of the code are not both zeros.
NAMELSAD	20	String	Current translated legal/statistical area description and the census tract name
MTFCC	5	String	MAF/TIGER Feature Class Code (G5020)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 85: Appendix G-3: Census Tract State-based Shapefile Record Layout

Appendix H. Record Layouts: Congressional District Shapefile

Appendix H-1. Record Layout: 116th Congressional District Shapefile

116th Congressional District National Shapefile Record Layout

File Name: tl_YYYY_us_cd116.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
CD116FP	2	String	116th congressional district FIPS code
GEOID	4	String	116th congressional district identifier; a concatenation of current state FIPS code and the 116th congressional district FIPS code
NAMELSAD	41	String	Current name and the translated legal/statistical area description for congressional district
LSAD	2	String	Current legal/statistical area description code for congressional district
CDSESSN	3	String	Congressional session code
MTFCC	5	String	MAF/TIGER Feature Class Code (G5200)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 86: Appendix H-1: 116th Congressional District National Shapefile Record Layout

Appendix H-2. Record Layout: State Legislative District Lower Chambers (SLDL)

State Legislative District Lower Chambers (SLDL) State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<stateFIPS>_sldl.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
SLDLST	3	String	Current state legislative district lower chamber code

Field	Length	Type	Description
GEOID	5	String	State legislative district lower chamber identifier; a concatenation of the current state FIPS code and state legislative district lower chamber code
NAMELSAD	100	String	Current name and the translated legal/statistical area description for state legislative district lower chamber
LSAD	2	String	Current legal/statistical area description code for state legislative district lower chamber
LSY	4	String	Legislative session year
MTFCC	5	String	MAF/TIGER Feature Class Code (G5220)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 87: Appendix H-2: SLDL State-based Shapefile Record Layout

Appendix H-3. Record Layout: State Legislative District Upper Chambers (SLDU) Shapefile

State Legislative District Upper Chambers (SLDU) State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<stateFIPS>_sldu.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
SLDUST	3	String	Current state legislative district upper chamber code
GEOID	5	String	State legislative district upper chamber identifier; a concatenation of the current state FIPS code and state legislative district upper chamber code
NAMELSAD	100	String	Current name and the translated legal/statistical area description for state legislative district upper chamber
LSAD	2	String	Current legal/statistical area description code for state legislative district upper chamber
LSY	4	String	Legislative session year

Field	Length	Type	Description
MTFCC	5	String	MAF/TIGER Feature Class Code (G5210)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 88: Appendix H-3: SLDU State-based Shapefile Record Layout

Appendix I. Record Layouts: Places and County Subdivisions

Appendix I-1. Record Layout: Consolidated City Shapefile

Consolidated City Shapefile Record Layout (Current)

File Name: tl_YYYY_<stateFIPS>_concity.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
CONCTYFP	5	String	Current consolidated city FIPS code
CONCTYNS	8	String	Current consolidated city GNIS code
GEOID	7	String	Consolidated city identifier; a concatenation of current state FIPS code and consolidated city FIPS code
NAME	100	String	Current consolidated city name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for consolidated city
LSAD	2	String	Current legal/statistical area description code for consolidated city
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER Feature Class Code (G4120)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 89: Appendix I-1: Consolidated City Shapefile Record Layout

Appendix I-2. Record Layout: County and Equivalent Entity Shapefile

County and Equivalent Entity National Shapefile Record Layout (Current)

File Name: tl_YYYY_us_county.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code

Field	Length	Type	Description
COUNTYFP	3	String	Current county FIPS code
COUNTYNS	8	String	ANSI feature code for the county or equivalent feature
GEOID	5	String	County identifier; a concatenation of Current state FIPS code and county FIPS code
NAME	100	String	Current county name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for county
LSAD	2	String	Current legal/statistical area description code for county
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER Feature Class Code (G4020)
CSAAPP	3	String	Current combined statistical area code
CBSAFP	5	String	Current metropolitan statistical area/micropolitan statistical area code
METDIVFP	5	String	Current metropolitan division code
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 90: Appendix I-2: County and Equivalent Entity National Shapefile Record Layout

Appendix I-3. Record Layout: County Subdivision State-based Shapefile

County Subdivision State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<stateFIPS>_cousub.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code

Field	Length	Type	Description
COUSUBFP	5	String	Current county subdivision FIPS code
COUSUBNS	8	String	ANSI feature code for the county subdivision
GEOID	10	String	County subdivision identifier; a concatenation of current state FIPS code, county FIPS code, and county subdivision FIPS code.
NAME	100	String	Current county subdivision name
NAMELSAD	100	String	Current name and the translated legal/statistical area description code for county subdivision
LSAD	2	String	Current legal/statistical area description code for county subdivision
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER Feature Class Code (G4040)
CNECTAfp	3	String	Current combined New England city and town area code
NECTAfp	5	String	Current New England city and town area code
NCTADVFP	5	String	Current New England city and town area division code
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 91: Appendix I-3: County Subdivision State-based Shapefile Record Layout

Appendix I-4. Record Layout: Estate Shapefile (U.S. Virgin Islands Only)

Estate Shapefile (U.S. Virgin Islands Only) Record Layout (Current)

File Name: tl_YYYY_78_estate.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code (78)

Field	Length	Type	Description
COUNTYFP	3	String	Current county FIPS code 010 St. Croix 020 St. John 030 St. Thomas
ESTATEFP	5	String	Current estate FIPS code
ESTATENS	8	String	ANSI feature code for estate
GEOID	10	String	Estate identifier; a concatenation of current state FIPS code, county FIPS code, and estate FIPS code
NAME	100	String	Current estate name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for estate
LSAD	2	String	Current legal/statistical area description code for estate
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER Feature Class Code (G4050)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 92: Appendix I-4: Estate Shapefile (U.S. Virgin Islands Only) Record Layout

Appendix I-5. Record Layout: Place State-based Shapefile

Place State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<stateFIPS>_place.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
PLACEFP	5	String	Current place FIPS code
PLACENS	8	String	Current place GNIS code
GEOID	7	String	Place identifier; a concatenation of the current state FIPS code and place FIPS code

Field	Length	Type	Description
NAME	100	String	Current place name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for place
LSAD	2	String	Current legal/statistical area description code for place
CLASSFP	2	String	Current FIPS class code
PCICBSA	1	String	Current metropolitan or micropolitan statistical area principal city indicator
PCINECTA	1	String	Current New England city and town area principal city indicator
MTFCC	5	String	Incorporated Place (G4110) and Census Designated Place (G4210)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 93: Appendix I-5: Place State-based Shapefile Record Layout

Appendix I-6. Record Layout: Subbarrio Shapefile

Subbarrio (Subminor Civil Division) State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_72_subbarrio.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
COUSUBFP	5	String	Current county subdivision FIPS code
SUBMCDFP	5	String	Current subminor civil division FIPS code

Field	Length	Type	Description
SUBMCDNS	8	String	ANSI feature code for the subminor civil division
GEOID	15	String	Subminor civil division identifier; a concatenation of current state FIPS code, county FIPS code, county subdivision FIPS code, and subminor civil division FIPS code
NAME	100	String	Current subbarrio name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for subbarrio
LSAD	2	String	Current legal/statistical area description code for subbarrio
CLASSFP	2	String	Current FIPS class code
MTFCC	5	String	MAF/TIGER Feature Class Code (G4060)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 94: Appendix I-6: Subbarrio State-based Shapefile Record Layout

Appendix J. Record Layouts: Hydrography (Area and Line)

Appendix J-1. Record Layout: Area Hydrography Shapefile

Area Hydrography County-based Shapefile Record Layout

File Name: tl_YYYY_<state-countyFIPS>_areawater.shp

Field	Length	Type	Description
ANSICODE	8	String	Official code for the water body for use by federal agencies for data transfer and dissemination, if applicable
HYDROID	22	String	Area hydrography identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
MTFCC	5	String	MAF/TIGER Feature Class Code
ALAND	14	Number	Land area
AWATER	14	Number	Water area
INTPTLAT	11	String	Latitude of the internal point
INTPTLON	12	String	Longitude of the internal point

Figure 95: Appendix J-1: Area Hydrography County-based Shapefile Record Layout

Appendix J-2. Record Layout: Linear Hydrography Shapefile

Linear Hydrography County-based Shapefile Record Layout

File Name: tl_YYYY_<state-countyFIPS>_linearwater.shp

Field	Length	Type	Description
ANSICODE	8	String	Official code for use by federal agencies for data transfer and dissemination, if applicable
LINEARID	22	String	Linear hydrography identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field

Field	Length	Type	Description
ARTPATH	1	String	Artificial path flag
MTFCC	5	String	MAF/TIGER Feature Class Code

Figure 96: Appendix J-2: Linear Hydrography County-based Shapefile Record Layout

Appendix K. Record Layout: Landmarks (Area and Point)

Appendix K-1. Record Layout: Area Landmark Shapefile

Area Landmark State-based Shapefile Record Layout

File Name: tl_YYYY_<stateFIPS>_arealm.shp

Field	Length	Type	Description
STATEFP	2	String	State FIPS code
ANSICODE	8	String	Official code for the landmark for use by federal agencies for data transfer and dissemination
AREAAD	22	String	Area landmark identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier with a space between each expanded text field
MTFCC	5	String	MAF/TIGER Feature Class Code
ALAND	14	Number	Land area
AWATER	14	Number	Water area
INTPTLAT	11	String	Latitude of the internal point
INTPTLON	12	String	Longitude of the internal point
PARTFLG	1	String	Part Flag identifying if all or part of the entity is within the file

Figure 97: Appendix K-1: Area Landmark State-based Shapefile Record Layout

Appendix K-2. Record Layout: Point Landmark Shapefile

Point Landmark State-based Shapefile Record Layout

File Name: tl_YYYY_<stateFIPS>_pointlm.shp

Field	Length	Type	Description
STATEFP	2	String	State FIPS code

Field	Length	Type	Description
ANSICODE	8	String	Official code for the point landmark for use by federal agencies for data transfer and dissemination, if applicable
POINTID	22	String	Point landmark identifier
FULLNAME	100	String	Concatenation of expanded text for prefix type, base name, and suffix type with a space between each expanded text field
MTFCC	5	String	MAF/TIGER Feature Class Code

Figure 98: Appendix K-2: Point Landmark State-based Shapefile Record Layout

Appendix L. Record Layout: Linear Features Shapefile

Appendix L-1. Record Layout: All Lines County-based Shapefile

All Lines County-based Shapefile Record Layout

File Name: tl_YYYY_<state-county>_edges.shp

Field	Length	Type	Description
STATEFP	2	String	State FIPS code
COUNTYFP	3	String	County FIPS code
TLID	10	Integer	Topological Line Identifier
TFIDL	10	Integer	Topological Faces Identifier on the left of the edge
TFIDR	10	Integer	Topological Faces Identifier on the right of the edge
MTFCC	5	String	MAF/TIGER Feature Class Code of the primary feature for the edge
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier with a space between each expanded text field (as available)
SMID	22	String	Spatial metadata identifier
LFROMADD	12	String	From house number associated with the most inclusive address range on the left side of the edge
LTOADD	12	String	To house number associated with the most inclusive address range on the left side of the edge
RFROMADD	12	String	From house number associated with the most inclusive address range on the right side of the edge
RTOADD	12	String	To house number associated with the most inclusive address range on the right side of the edge
ZIPL	5	String	ZIP Code associated with the most inclusive address range on the left side
ZIPR	5	String	ZIP Code associated with the most inclusive address range on the right side
FEATCAT	1	String	General feature classification category
HYDROFLG	1	String	Hydrography feature indicator

Field	Length	Type	Description
RAILFLG	1	String	Rail feature indicator
ROADFLG	1	String	Road feature indicator
OLFFLG	1	String	Other linear feature indicator
PASSFLG	1	String	Special passage flag
EXTTYP	1	String	Extension type
TTYP	1	String	Track type
DECKEDROAD	1	String	Decked road indicator
ARTPATH	1	String	Artificial path indicator
PERSIST	1	String	Hydrographic persistence flag
GCSEFLG	1	String	Short lines flag for geographic corridors
OFFSETL	1	String	Left offset flag
OFFSETR	1	String	Right offset flag
TNIDF	10	Integer	From TIGER node identifier
TNIDT	10	Integer	To TIGER node identifier

Figure 99: Appendix L-1: All Lines County-based Shapefile Record Layout

Appendix L-2. Record Layout: Coastlines Shapefile

Coastline National Shapefile Record Layout

File Name: tl_YYYY_us_coastline.shp

Field	Length	Type	Description
NAME	100	String	Coastline Name
MTFCC	5	String	MAF/TIGER Feature Class Code of the primary feature for the edge (L4150).

Figure 100: Appendix L-2: Coastline National Shapefile Record Layout

Appendix L-3. Record Layouts: Roads Shapefile

Appendix L-3.1 Record Layout: Roads, Primary, National Shapefile

Primary Roads National Shapefile Record Layout

File Name: tl_YYYY_us_primaryroads.shp

Field	Length	Type	Description
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field; display name.
RTTYP	1	String	Route type code
MTFCC	5	String	MAF/TIGER Feature Class Code (S1100)

Figure 101: Appendix L-3.1: Primary Roads National Shapefile Record Layout

Appendix L-3.2 Record Layout: Roads, Primary and Secondary State Shapefile

Primary and Secondary Roads State-based Shapefile Record Layout

File Name: tl_YYYY_<stateFIPS>_prisecroads.shp

Field	Length	Type	Description
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
RTTYP	1	String	Route type code
MTFCC	5	String	MAF/TIGER Feature Class Code Primary Roads (S1100) or Secondary Roads (S1200)

Figure 102: Appendix L-3.2: Primary and Secondary Roads State-based Shapefile Record Layout

Appendix L-3.3 Record Layout: All Roads, County Shapefile

All Roads County-based Shapefile Record Layout

File Name: tl_YYYY_<state-countyFIPS>_roads.shp

Field	Length	Type	Description
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
RTTYP	1	String	Route type code
MTFCC	5	String	MAF/TIGER Feature Class Code

Figure 103: Appendix L-3.3: All Roads County-based Shapefile Record Layout

Appendix L-4. Record Layout: Address Ranges Feature County Shapefile

Address Range Feature County-based Shapefile Record Layout

File Name: tl_YYYY_<state-countyFIPS>_addrfeat.shp

Field	Length	Type	Description
TLID	10	Integer	Topological Line Identifier
TFIDL	10	Integer	Topological Faces Identifier on the left of the edge
TFIDR	10	Integer	Topological Faces Identifier on the right of the edge
ARIDL	22	String	Left side Address range identifier
ARIDR	22	String	Right side Address range identifier
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
LFROMHN	12	String	From House Number associated with the address range on the left side of the edge (SIDE=L)

Field	Length	Type	Description
LTOHN	12	String	To House Number associated with the address range on the left side of the edge (SIDE=L)
RFROMHN	12	String	From House Number associated with the address range on the right side of the edge (SIDE=R)
RTOHN	12	String	To House Number associated with the address range on the right side of the edge (SIDE=R)
ZIPL	5	String	ZIP code associated with the left address range
ZIPR	5	String	ZIP code associated with the right address range
EDGE_MTFCC	5	String	Primary MAF/TIGER Feature Class Code of related edge record
ROAD_MTFCC	5	String	MAF/TIGER Feature Class Code of related linear feature record
PARITYL	1	String	Left side Address Range Parity
PARITYR	1	String	Right side Address Range Parity
PLUS4L	4	String	Left side ZIP+4 Code
PLUS4R	4	String	Right side ZIP+4 Code
LFROMTYP	1	String	Left side From address range end type. If the value is "I" and the address range is an imputed value calculated by the Census Bureau at a split point, then this field is loaded. Otherwise, the field is blank.
LTOTYP	1	String	Left side To address range end type. If the value is "I" and the address range is an imputed value calculated by the Census Bureau at a split point then this field is loaded. Otherwise, the field is blank.
RFROMTYP	1	String	Right side From address range end type. If the value is "I" and the address range is an imputed value calculated by the Census Bureau at a split point, then this field is loaded. Otherwise, the field is blank.
RTOTYP	1	String	Right side To address range end type. If the value is "I" and the address range is an imputed value calculated by the Census Bureau at a split point, then this field is loaded. Otherwise, the field is blank.
OFFSETL	1	String	Flag to designate if left side address range is on offset edge

Field	Length	Type	Description
OFFSETR	1	String	Flag to designate if right side address range is on offset edge

Figure 104: Appendix L-4: Address Range Feature County-based Shapefile Record Layout

Appendix L-5. Record Layouts: Railroads National Shapefile

Railroads National Shapefile Record Layout

File Name: tl_YYYY_us_rails.shp

Field	Length	Type	Description
LINEARID	22	String	Linear feature identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
MTFCC	5	String	MAF/TIGER Feature Class Code

Figure 105: Appendix L-5: Railroads National Shapefile Record Layout

Appendix M. Record Layouts: Metropolitan and Micropolitan Shapefiles

Appendix M-1. Record Layout: CNECTA National Shapefile

Combined New England City and Town Area (CNECTA) National Shapefile Record Layout (Current)

File Name: tl_YYYY_us_cnecta.shp

Field	Length	Type	Description
CNECTAfp	3	String	Current combined New England city and town area code
GEOID	3	String	Current New England city and town area identifier; combined New England city and town area code
FNAME	100	String	Current combined New England city and town area name
NAMESAD	100	String	Current name and the translated legal/statistical area description for combined New England city and town area
LSAD	2	String	Current legal/statistical area description code for combined New England city and town area
MTFCC	5	String	MAF/TIGER Feature Class Code (G3200)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 106: Appendix M-1: CNECTA National Shapefile Record Layout

Appendix M-2. Record Layout: CSA National Shapefile

Combined Statistical Area (CSA) National Shapefile Record Layout (Current)

File Name: tl_YYYY_us_csa.shp

Field	Length	Type	Description
CSAfp	3	String	Current combined statistical area code
GEOID	3	String	Combined statistical area identifier, combined statistical area code

Field	Length	Type	Description
NAME	100	String	Current combined statistical area name
NAMESAD	100	String	Current name and the translated legal/statistical area description for combined statistical area
LSAD	2	String	Current legal/statistical area description code for combined statistical area
MTFCC	5	String	MAF/TIGER Feature Class Code (G3100)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 107: Appendix M-2: CSA National Shapefile Record Layout

Appendix M-3. Record Layout: Metropolitan Division National Shapefile

Metropolitan Division National Shapefile Record Layout (Current)

File Name: tl_YYYY_us_metdiv.shp

Field	Length	Type	Description
CSAfp	3	String	Current combined statistical area code
CBSAfp	5	String	Current metropolitan statistical area/micropolitan statistical area code
METDIVFP	5	String	Current metropolitan division code
GEOID	10	String	Metropolitan division identifier; a concatenation of metropolitan statistical area/micropolitan statistical area code and metropolitan division code
NAME	100	String	Current metropolitan division name
NAMESAD	100	String	Current name and the translated legal/statistical area description for metropolitan division
LSAD	2	String	Current legal/statistical area description code for metropolitan division
MTFCC	5	String	MAF/TIGER Feature Class Code (G3120)

Field	Length	Type	Description
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 108: Appendix M-3: Metropolitan Division National Shapefile Record Layout

Appendix M-4. Record Layout: CBSA National Shapefile

Metropolitan Statistical Area/Micropolitan Statistical Area (CBSA) National Shapefile Record Layout (Current)

File Name: tl_YYYY_us_cbsa.shp

Field	Length	Type	Description
CSAFP	3	String	Current combined statistical area code, if applicable
CBSAFP	5	String	Current metropolitan statistical area/micropolitan statistical area code
GEOID	5	String	Metropolitan statistical area/micropolitan statistical area identifier, metropolitan statistical area/micropolitan statistical area code
NAME	100	String	Current metropolitan statistical area/micropolitan statistical area name
NAMESAD	100	String	Current name and the translated legal/statistical area description for metropolitan statistical area/micropolitan statistical area
LSAD	2	String	Current legal/statistical area description code for metropolitan statistical area/micropolitan statistical area
MEMI	1	String	Current metropolitan/micropolitan status indicator
MTFCC	5	String	MAF/TIGER Feature Class Code (G3110)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 109: Appendix M-4: CBSA National Shapefile Record Layout

Appendix M-5. Record Layout: New England City and Town Area (NECTA) Shapefile

New England City and Town Area (NECTA) National Shapefile Record Layout (Current)

File Name: tl_YYYY_us_necta.shp

Field	Length	Type	Description
CNECTAfp	3	String	Current combined New England City and Town Area code, if applicable
NECTAfp	5	String	Current New England City and Town area code
GEOID	5	String	New England city and town area identifier, New England city and town area code
NAME	100	String	Current New England city and town area name
NAMESAD	100	String	Current name and the translated legal/statistical area description for New England city and town area
LSAD	2	String	Current legal/statistical area description code for New England city and town area
NMEMI	1	String	Current New England city and town area metropolitan/micropolitan status indicator
MTFCC	5	String	MAF/TIGER Feature Class Code (G3210)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 110: Appendix M-5: NECTA National Shapefile Record Layout

Appendix M-6. Record Layout: NECTA Division National Shapefile

New England City and Town Area (NECTA) Division National Shapefile Record Layout (Current)

File Name: tl_YYYY_us_nectadiv.shp

Field	Length	Type	Description
CNECTAfp	3	String	Current combined New England City and Town Area code, if applicable
NECTAfp	5	String	Current New England City and Town Area code

Field	Length	Type	Description
NCTADVFP	5	String	Current New England City and Town Area division code
GEOID	10	String	New England City and Town Area division identifier; a concatenation of New England city and town area code and New England city and town area division code
NAME	100	String	Current New England City and Town Area division name
NAMELSAD	100	String	Current name and the translated legal/statistical area description for New England City and Town area division
LSAD	2	String	Current legal/statistical area description code for New England City and Town area division
MTFCC	5	String	MAF/TIGER Feature Class Code (G3220)
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 111: Appendix M-6: NECTA Division National Shapefile Record Layout

Appendix N. Record Layout: Military Installation National Shapefile

Military Installation National Shapefile Record Layout

File Name: tl_YYYY_us_mil.shp

Field	Length	Type	Description
ANSICODE	8	String	Official code for the landmark for use by federal agencies for data transfer and dissemination
AREAID	22	String	Area landmark identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
MTFCC	5	String	MAF/TIGER Feature Class Code
ALAND	14	Number	Land area
AWATER	14	Number	Water area
INTPTLAT	11	String	Latitude of the internal point
INTPTLON	12	String	Longitude of the internal point

Figure 112: Appendix N: Military Installation National Shapefile Record Layout

Appendix O. Record Layouts: PUMA's, Urban Areas, ZCTA Shapefiles

Appendix O-1. Record Layout: Public Use Microdata Area State-based Shapefile

Public Use Microdata Area (PUMA) State-based Shapefile Record Layout (2010 Census)

File Name: tl_YYYY_<stateFIPS>_puma10.shp

Field	Length	Type	Description
STATEFP10	2	String	2010 Census state FIPS code
PUMACE10	5	String	2010 Census Public Use Microdata Area code
GEOID10	7	String	2010 Census nation-based Public Use Microdata Area code; a concatenation of 2010 Census state FIPS code and Public Use Microdata Area code
NAMESAD10	100	String	2010 Census translated legal/statistical area description code and Public Use Microdata Area name
MTFCC10	5	String	MAF/TIGER Feature Class Code (G6120)
FUNCSTAT10	1	String	2010 Census functional status
ALAND10	14	Number	2010 Census land area
AWATER10	14	Number	2010 Census water area
INTPTLAT10	11	String	2010 Census latitude of the internal point
INTPTLON10	12	String	2010 Census longitude of the internal point

Figure 113: Appendix O-1: Public Use Microdata Area (PUMA) State-based Shapefile Record Layout

Appendix O-2. Record Layout: Urban Areas National Shapefile

Urban Area (UA) National Shapefile Record Layout (2010 Census)

File Name: tl_YYYY_us_uac10.shp

Field	Length	Type	Description
UACE10	5	String	2010 Census urban area code

Field	Length	Type	Description
GEOID10	5	String	2010 Census urban area identifier; 2010 Census urban area code
NAME10	100	String	2010 Census urban area name
NAMELSAD10	100	String	2010 Census name and the translated legal/statistical area description for urban area
LSAD10	2	String	2010 Census legal/statistical area description code for urban area
MTFCC10	5	String	MAF/TIGER Feature Class Code (G3500)
UATYP10	1	String	2010 Census urban area type
FUNCSTAT10	1	String	2010 Census functional status
ALAND10	14	Number	2010 Census land area
AWATER10	14	Number	2010 Census water area
INTPTLAT10	11	String	2010 Census latitude of the internal point
INTPTLON10	12	String	2010 Census longitude of the internal point

Figure 114: Appendix O-2: Urban Area (UA) National Shapefile Record Layout

Appendix O-3. Record Layout: 5 Digit ZIP Code Tabulation (ZCTA5) National Shapefile

5-Digit ZIP Code Tabulation Area (ZCTA5) National Shapefile Record Layout (2020 Census)

File Name: tl_YYYY_us_zcta520.shp

Field	Length	Type	Description
ZCTA5CE20	5	String	2020 Census 5-digit ZIP Code Tabulation Area code
GEOID20	5	String	2020 Census 5-digit ZIP Code Tabulation Area code
CLASSFP20	2	String	2020 Census FIPS 55 class code
MTFCC20	5	String	MAF/TIGER Feature Class Code (G6350)
FUNCSTAT20	1	String	2020 Census functional status
ALAND20	14	Number	2020 Census land area
AWATER20	14	Number	2020 Census water area

Field	Length	Type	Description
INTPTLAT20	11	String	2020 Census latitude of the internal point
INTPTLON20	12	String	2020 Census longitude of the internal point

Figure 115: Appendix O-3: ZCTA5 National Shapefile Record Layout

Appendix P. Record Layouts: School Districts Shapefiles

Appendix P-1. Record Layout: Elementary School District State Shapefile

Elementary School District State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<stateFIPS>_elsd.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
ELSDLEA	5	String	Current elementary school district local education agency code
GEOID	7	String	School district identifier; a concatenation of the current state FIPS code and elementary school district local education agency code
NAME	100	String	Current elementary school district name
LSAD	2	String	Current legal/statistical area description code for elementary school district
LOGRADE	2	String	Current lowest grade covered by school district
HIGRADE	2	String	Current highest grade covered by school district
MTFCC	5	String	MAF/TIGER Feature Class Code (G5400)
SDTYP	1	String	Current school district type
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 116: Appendix P-1: Elementary School District State-based Shapefile Record Layout

Appendix P-2. Record Layout: Secondary School District State Shapefile

Secondary School District State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<stateFIPS>_scsd.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
SCSDLEA	5	String	Current secondary school district local education agency code
GEOID	7	String	School district identifier; a concatenation of the current state FIPS code and secondary school district local education agency code
NAME	100	String	Current secondary school district name
LSAD	2	String	Current legal/statistical area description code for secondary school district
LOGRADE	2	String	Current lowest grade covered by school district
HIGRADE	2	String	Current highest grade covered by school district
MTFCC	5	String	MAF/TIGER Feature Class Code (G5410)
SDTYP	1	String	Current school district type
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 117: Appendix P-2: Secondary School District State-based Shapefile Record Layout

Appendix P-3. Record Layout: Unified School District State Shapefile

Unified School District State-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<stateFIPS>_unsd.shp

Field	Length	Type	Description
STATEFP	2	String	Current state FIPS code
UNSDLEA	5	String	Current unified school district local education agency code
GEOID	7	String	School district identifier; a concatenation of the current state FIPS code and unified school district local education agency code

Field	Length	Type	Description
NAME	100	String	Current unified school district name
LSAD	2	String	Current legal/statistical area description code for unified school district
LOGRADE	2	String	Current lowest grade covered by school district
HIGRADE	2	String	Current highest grade covered by school district
MTFCC	5	String	MAF/TIGER Feature Class Code (G5420)
SDTYP	1	String	Current school district type
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 118: Appendix P-3: Unified School District State-based Shapefile Record Layout

Appendix P-4. Record Layout: State and Equivalent Entity National Shapefile

State and Equivalent Entity National Shapefile Record Layout (Current)

File Name: tl_YYYY_us_state.shp

Field	Length	Type	Description
REGION	2	String	Current region code
DIVISION	2	String	Current division code
STATEFP	2	String	Current state FIPS code
STATENS	8	String	ANSI feature code for the state or equivalent entity

Field	Length	Type	Description
GEOID	2	String	State identifier; state FIPS code
STUSPS	2	String	Current United States Postal Service state abbreviation
NAME	100	String	Current state name
LSAD	2	String	Current legal/statistical area description code for state
MTFCC	5	String	MAF/TIGER Feature Class Code (G4000)
FUNCSTAT	1	String	Current functional status
ALAND	14	Number	Current land area
AWATER	14	Number	Current water area
INTPTLAT	11	String	Current latitude of the internal point
INTPTLON	12	String	Current longitude of the internal point

Figure 119: Appendix P-4: State and Equivalent Entity National Shapefile Record Layout

Appendix Q. Record Layout: Topological Faces County Shapefile

Topological Faces (Polygons with All Geocodes) County-based Shapefile Record Layout (Current)

File Name: tl_YYYY_<state-countyFIPS>_faces.shp

Field	Length	Type	Description
TFID	10	Integer	Topological Faces Identifier
STATEFP20	2	String	2020 Census state FIPS code
COUNTYFP20	3	String	2020 Census county FIPS code
TRACTCE20	6	String	2020 Census tract code
BLKGRPCE20	1	String	2020 Census block group number
BLOCKCE20	4	String	2020 Census tabulation block number
SUFFIX1CE	1	String	Current Census block suffix 1
ZCTA5CE20	5	String	2020 Census 5-digit ZCTA code
UACE10	5	String	2010 Census urban area code
PUMACE10	5	String	2010 Census public use microdata area code
STATEFP	2	String	Current state FIPS code
COUNTYFP	3	String	Current county FIPS code
TRACTCE	6	String	Current census tract code
BLKGRPCE	1	String	Current block group number
COUSUBFP	5	String	Current county subdivision FIPS code
SUBMCDFP	5	String	Current subminor civil division FIPS code
ESTATEFP	5	String	Current estate FIPS code
CONCTYFP	5	String	Current consolidated city FIPS code
PLACEFP	5	String	Current place FIPS code
AIANNHFP	5	Number	Current American Indian/Alaska Native/Native Hawaiian area FIPS code
AIANNHCE	4	String	Current American Indian/Alaska Native/Native Hawaiian area census code

Field	Length	Type	Description
COMPTYP	1	String	Current American Indian/Alaska Native/Native Hawaiian area reservation/statistical area or off-reservation trust land Hawaiian home land indicator
TRSUBFP	5	Number	Current American Indian Tribal Subdivision FIPS code
TRSUBCE	3	String	Current American Indian Tribal Subdivision code
ANRCFP	5	String	Current Alaska Native Regional Corporation FIPS code
TTRACTCE	6	String	Current tribal census tract code
TBLKGPC	1	String	Current tribal block group letter
ELSDLEA	5	String	Current elementary school district local education agency code
SCSDLEA	5	String	Current secondary school district local education agency code
UNSDLEA	5	String	Current unified school district local education agency code
CD116FP	2	String	116th congressional district FIPS code
SLDUST	3	String	Current state legislative district upper chamber code
SLDLST	3	String	Current state legislative district lower chamber code
CSAfp	3	String	Current combined statistical area code
CBSAfp	5	String	Current metropolitan statistical area/micropolitan statistical area code
METDIVFP	5	String	Current Metropolitan division code
CNECTAfp	3	String	Current combined New England city and town area code (New England states only)
NECTAfp	5	String	Current New England city and town area code (New England states only)
NCTADVFP	5	String	Current New England city and town area division code (New England states only)
LWFLAG	1	String	Land/water flag
OFFSET	1	String	Geographic corridor/offset flag

Field	Length	Type	Description
ATOTAL	14	Number	Total area
INTPTLAT	11	String	Latitude of the internal point
INTPTLON	12	String	Longitude of the internal point

Figure 120: Appendix Q: Topological Faces - Polygons All Geocodes County-based Shapefile Record Layout

Appendix R. Record Layouts: Relationship Files Shapefile

Appendix R-1. Record Layout: Address Range County-based Relationship File

Address Ranges County-based Relationship File Record Layout (Current)

File Name: tl_YYYY_<state-county FIPS>_addr.dbf

Field	Length	Type	Description
TLID	10	Integer	Topological Line Identifier
FROMHN	12	String	From house number
TOHN	12	String	To house number
SIDE	1	String	Side Indicator flag
ZIP	5	String	5-digit ZIP Code
PLUS4	4	String	ZIP+4 Code
FROMTYP	1	String	From address range end type
TOTYP	1	String	To address range end type
ARID	22	String	Address range identifier
MTFCC	5	String	MAF/TIGER Feature Class Code

Figure 121: Address Ranges County-based Relationship File Record Layout

Appendix R-2. Record Layout: Address Range Feature Name County Relationship File

Address Range-Feature Name County-based Relationship File Record Layout (Current)

File Name: tl_YYYY_<state-county FIPS>_addrfn.dbf

Field	Length	Type	Description
ARID	22	String	Address range identifier
LINEARID	22	String	Linear feature identifier

Figure 122: Appendix R-2: Address Range-Feature Name County-based Relationship File Record Layout

Appendix R-3. Record Layout: Feature Names County based Relationship File

Feature Names County-based Relationship File Record Layout

File Name: tl_YYYY_<state-county FIPS>_featnames.dbf

Field	Length	Type	Description
TLID	10	Integer	Topological Line Identifier
FULLNAME	100	String	Concatenation of expanded text for prefix qualifier, prefix direction, prefix type, base name, suffix type, suffix direction, and suffix qualifier (as available) with a space between each expanded text field
NAME	100	String	Base name portion of the standardized name
PREDIRABRV	15	String	Prefix direction description component of the feature name
PRETYPABRV	50	String	Prefix type description component of the feature name
PREQUALABR	15	String	Prefix qualifier description component of the feature name
SUFDIRABRV	15	String	Suffix direction description component of the feature name
SUFTYPABRV	50	String	Suffix type description component of the feature name
SUFQUALABR	15	String	Suffix qualifier description component of the feature name
PREDIR	2	String	prefix direction code component of the feature name
PRETYP	3	String	prefix type code description component of the feature name
PREQUAL	2	String	prefix qualifier code component of the feature name
SUFDIR	2	String	suffix direction code component of the feature name
SUFTYP	3	String	suffix type code description component of the feature name
SUFQUAL	2	String	suffix qualifier code component of the feature name
LINEARID	22	String	Linear feature identifier
MTFCC	5	String	MAF/TIGER Feature Class Code
PAFLAG	1	String	primary/alternate flag

Figure 123: Appendix R-3: Feature Names County-based Relationship File Record Layout

Appendix R-4. Record Layouts: Topological Faces Relationship Files

Appendix R-4.1 Record Layout: Topological Faces Area Landmark County Relationship File

Topological Faces-Area Landmark County-based Relationship File Record Layout

File Name: tl_YYYY_<state FIPS>_facesal.dbf

Field	Length	Type	Description
TFID	10	Integer	Topological Faces Identifier
AREAID	22	String	Area landmark identifier

Figure 124: Appendix R-4.1: Topological Faces-Area Landmark County-based Relationship File Record Layout

Appendix R-4.2 Record Layout: Topological Faces Area Hydrography County Relationship

Topological Faces-Area Hydrography County-based Relationship File Record Layout (Current)

File Name: tl_YYYY_<state-county FIPS>_facesah.dbf

Field	Length	Type	Description
TFID	10	Integer	Topological Faces Identifier
HYDROID	22	String	Area Hydrography identifier

Figure 125: Appendix R-4.2: Topological Faces-Area Hydrography County-based Relationship File Record Layout

Appendix R-4.3 Record Layout: Topological Faces Area Military Installation National Relationship

Topological Faces-Military Installation National Relationship File Record Layout (Current)

File name: tl_YYYY_us_facesmil.dbf

Field	Length	Type	Description
TFID	10	Integer	Topological Faces Identifier
AREAID	22	String	Area Landmark identifier

Figure 126: Appendix R-4.3: Topological Faces-Military Installation National Relationship File Record Layout